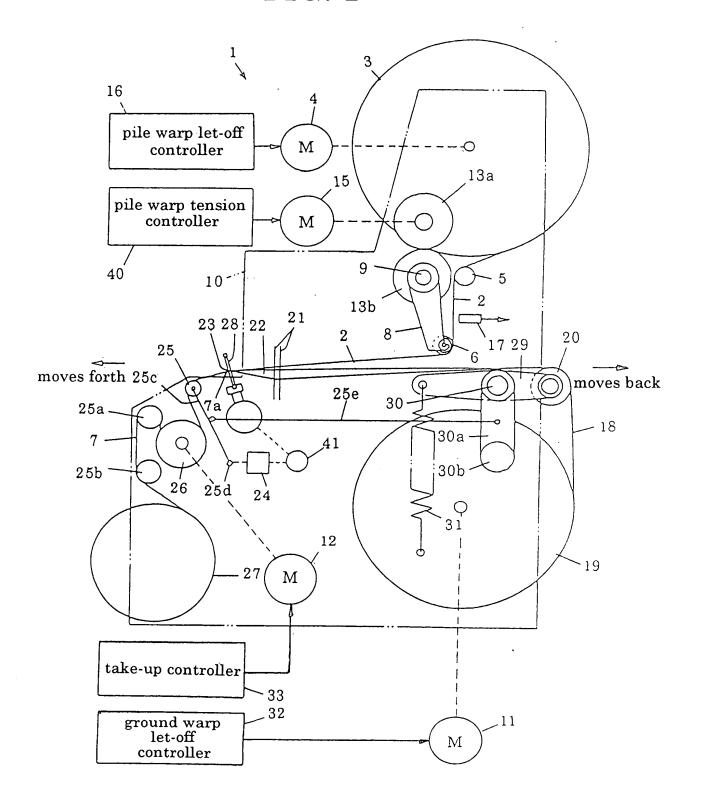
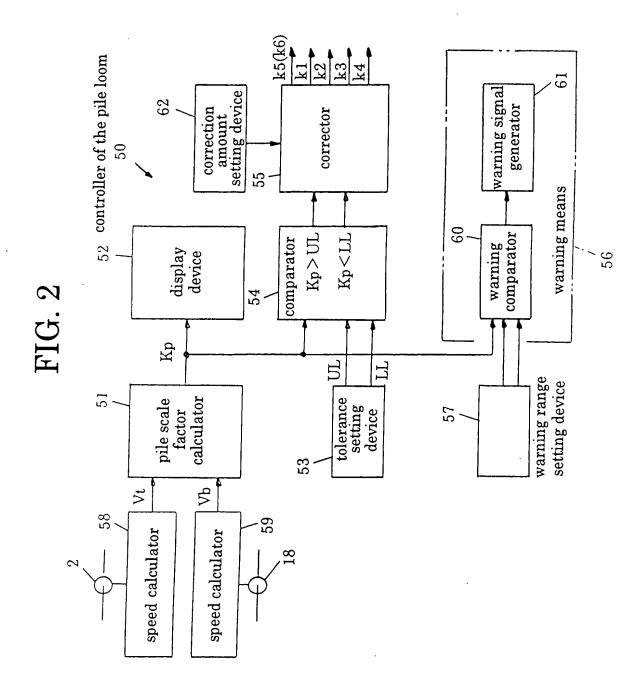
FIG. 1





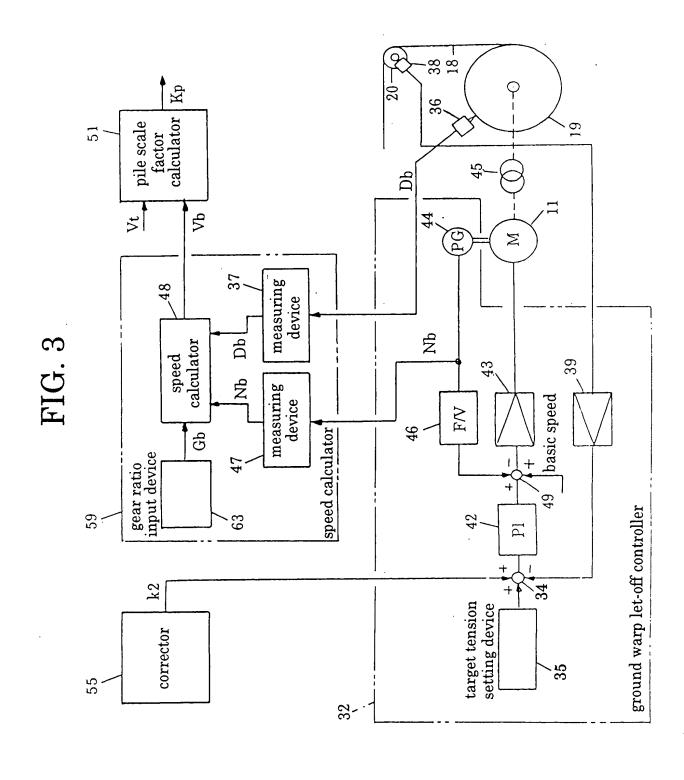
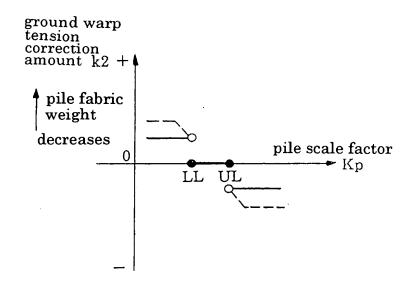


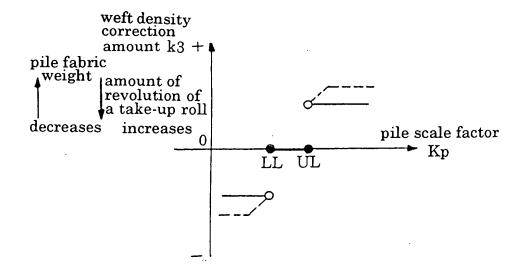
FIG. 4

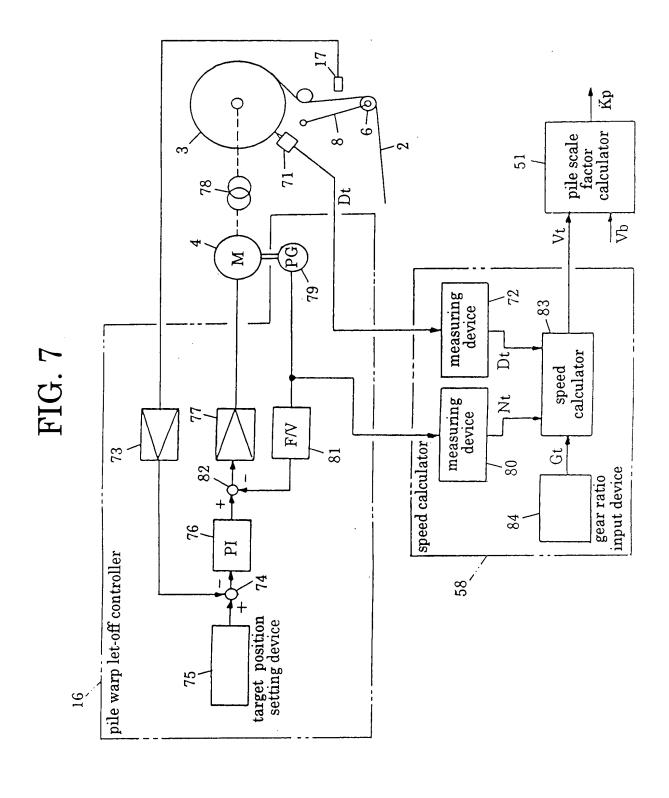


take-up controller EN EN 33 29 direct/reverse counter FIG. 5 99weft density setting device basic speed generator k3 64 rotation detector (pulse) corrector main (shaft 55

 \mathbf{z}

FIG. 6





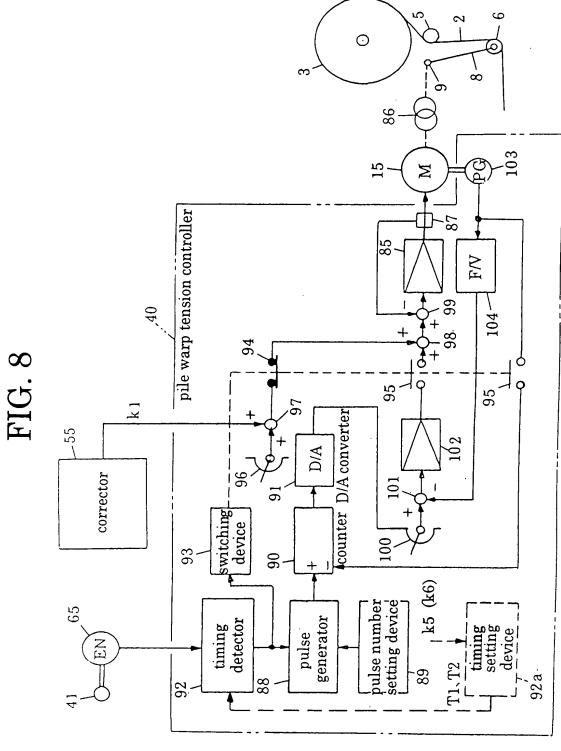
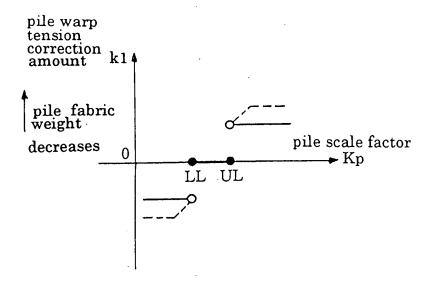


FIG.9



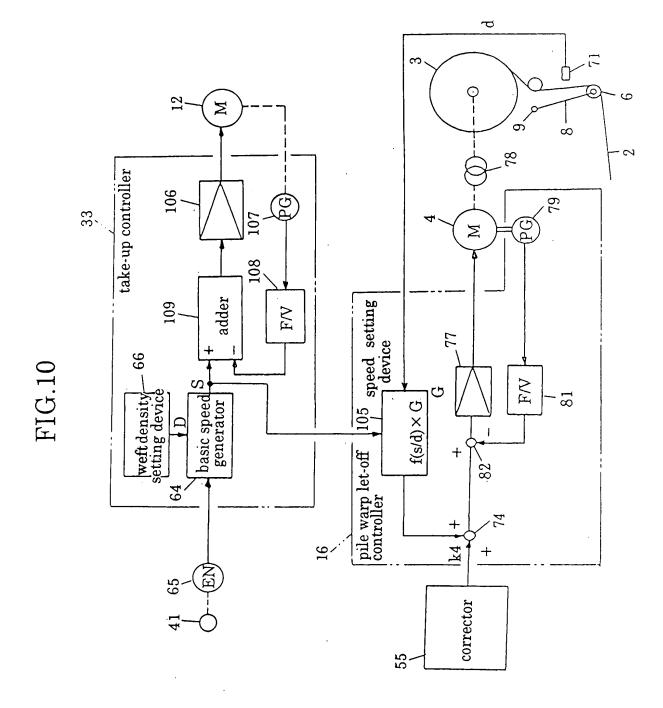
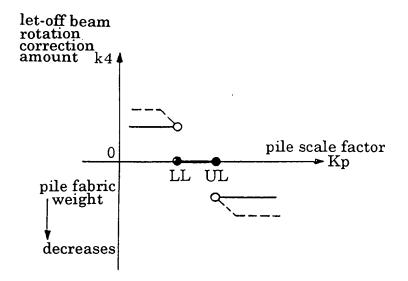
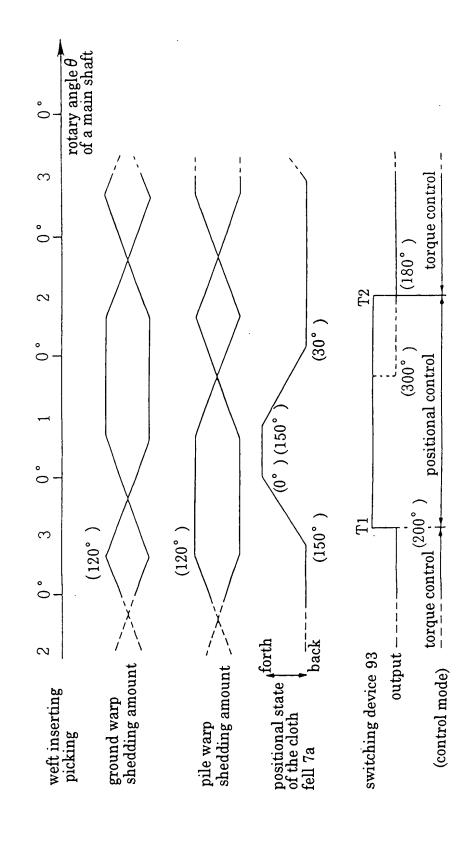


FIG.11







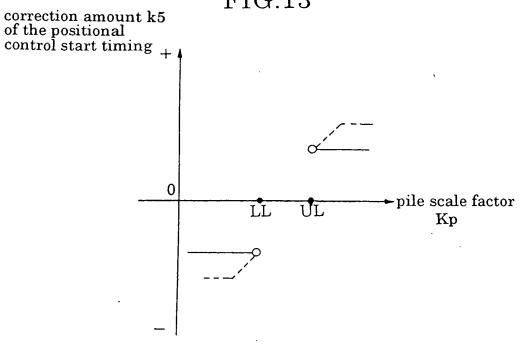


FIG.14

